

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT



APPLICATION FOR PERMIT TO DRILL		1. WELL NAME and NUMBER OPAL 1410-3L
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		3. FIELD OR WILDCAT HELPER
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO		5. UNIT or COMMUNITIZATION AGREEMENT NAME
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. OPERATOR PHONE 720 929-6515
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217		9. OPERATOR E-MAIL julie.jacobson@anadarko.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ST UT ML 45805	11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>		13. NAME OF SURFACE OWNER (if box 12 = 'fee')
14. SURFACE OWNER PHONE (if box 12 = 'fee')		15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')
16. SURFACE OWNER E-MAIL (if box 12 = 'fee')		17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')
18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1610 FSL 870 FWL	NWSW	3	14.0 S	10.0 E	S
Top of Uppermost Producing Zone	1610 FSL 870 FWL	NWSW	3	14.0 S	10.0 E	S
At Total Depth	1610 FSL 870 FWL	NWSW	3	14.0 S	10.0 E	S

21. COUNTY CARBON	22. DISTANCE TO NEAREST LEASE LINE (Feet) 870	23. NUMBER OF ACRES IN DRILLING UNIT 2441
24. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1365	25. PROPOSED DEPTH MD: 8250 TVD: 8250	
26. ELEVATION - GROUND LEVEL 5802	27. BOND NUMBER 22013542	28. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE MUNICIPAL

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	17.5	13.375	0 - 300	48.0	H-40 ST&C	8.4	Type V	180	1.15	15.8
							Class G	270	1.15	15.8
I1	12.25	9.625	0 - 2600	36.0	J-55 LT&C	8.4	Premium Lite High Strength	390	3.38	12.5
							50/50 Poz	280	1.31	14.3
PROD	8.75	7	0 - 8250	29.0	HCP-110 LT&C	12.0	Premium Lite High Strength	270	3.38	12.0
							50/50 Poz	520	1.31	14.3

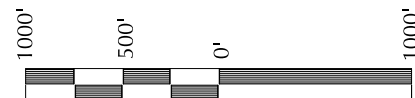
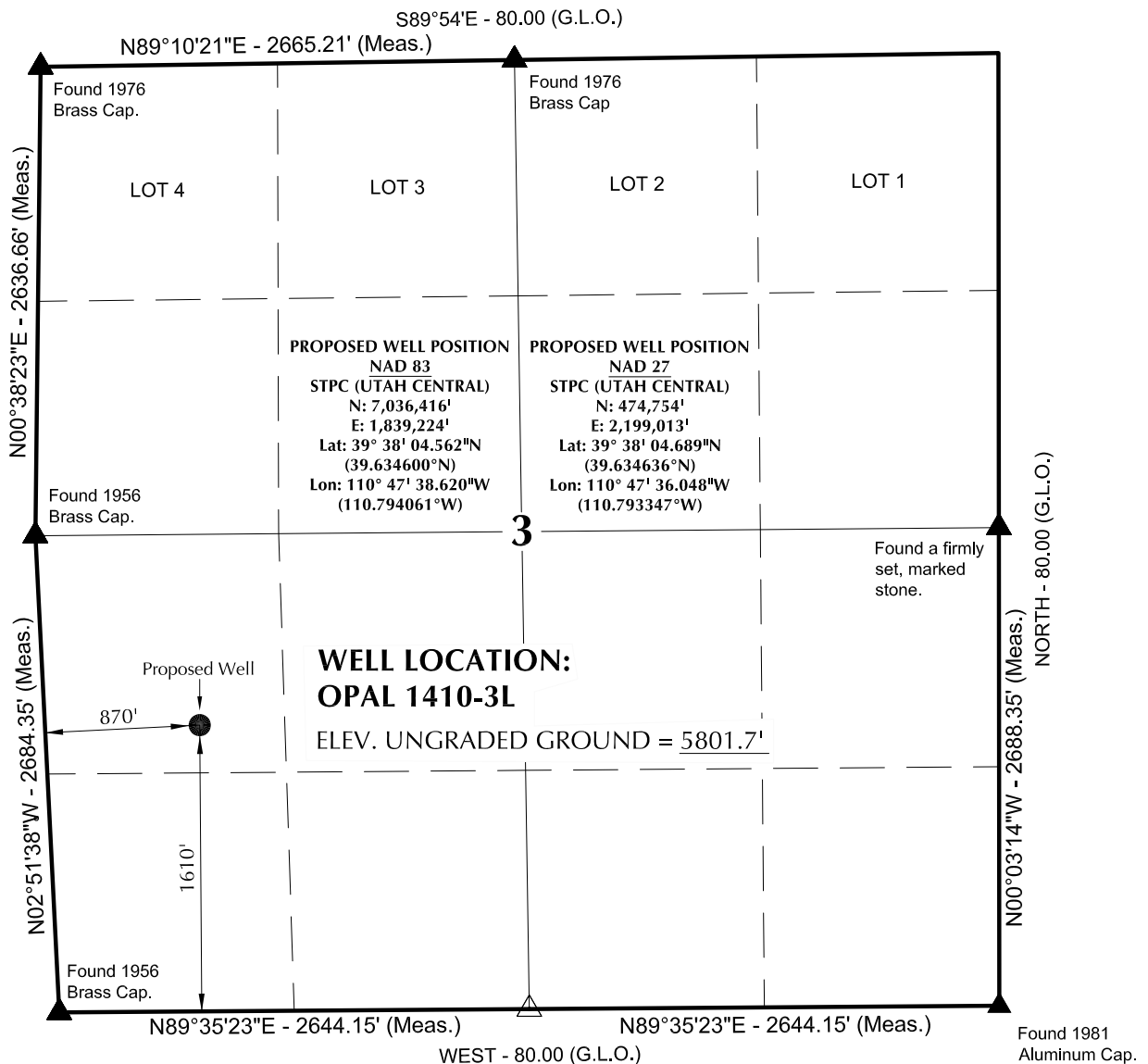
ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Cara Mahler	TITLE Regulatory Analyst I	PHONE 720 929-6029
SIGNATURE	DATE 10/03/2013	EMAIL cara.mahler@anadarko.com
API NUMBER ASSIGNED 43007503610000	APPROVAL Permit Manager	

T14S, R10E, S.L.B.&M.



SCALE

NOTES:

- ▲ = Section Corner Located
- △ = Section Corner Located (Not Monumented)
- 1. Well footages are measured at right angles to the Section Lines.
- 2. Elevations Based on NAVD 88 (GEOID12A)
- 3. Basis of Bearings Derived From Utah Coordinate System 1983 Central Zone Unless Otherwise Noted.
- 4. All Measured Distances Are Grid, U.S. Survey Foot. Combined Scale Factor: 0.99964098

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - OPAL 1410-3L

**OPAL 1410-3L
WELL PLAT**

1610' FSL & 870' FWL

**NW ¼ SW ¼ OF SECTION 3, T14S, R10E,
S.L.B.&M., CARBON COUNTY, UTAH.**

0°27'08"

True

Grid

N



CONSULTING, LLC
2155 North Main Street
Sheridan, WY 82801
Phone 307-674-0609
Fax 307-674-0182

SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

8-12-13

No. 6028691

JOHN R. SLAUGH

PROFESSIONAL LAND SURVEYOR

REGISTRATION NO. 6028691

STATE OF UTAH

TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 7-31-13	SURVEYED BY: J.W.	SHEET NO: 1 1 OF 12
DATE DRAWN: 7-31-13	DRAWN BY: T.J.R.	
SCALE: 1" = 1000'	Date Last Revised:	